| Inde | ex of Claims |
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|      |              |
|      |              |

Application No.

10/606,739 Examiner

John J. Vrablik

Applicant(s)

CHANG ET AL.

Art Unit 3748

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Claim Date |          |  |               |          |  | Claim              |      | Date         |          |  |               |          | ::::[    | Cla           | aim      | Date |          |            |                 |  |           |          | 1               |                      |          |          |
|------------|----------|--|---------------|----------|--|--------------------|------|--------------|----------|--|---------------|----------|----------|---------------|----------|------|----------|------------|-----------------|--|-----------|----------|-----------------|----------------------|----------|----------|
|            |          | 3  |               |          |  |                    |      |              |          |  |               |          |          |               |          |      |          |            |                 |  |           | П        |                 | П                    |          | ٦        |
| ल          | a .      | 0  |               |          |  |                    |      | ল            | .⊑       |  |               |          |          |               | l l      |      | <u>o</u> | Ľ          |                 |  |           |          |                 |                      |          | ١        |
| Final      | Original | 18   |               |          |  |                    |      | Final        | Original |  |               |          |          |               |          |      | Final    | Original   |                 |  |           |          |                 |                      |          |          |
| -          | Ō        | 10/5/01  |               |          |  |                    |      | _            | 0        |  |               |          |          |               | ll       |      | _        | 0          |                 |  |           | - 1      |                 |                      |          |          |
|            | (1)      | V  | ++            | +        |  | $\dashv$           |      |              | 51       |  | +             | -        | +        | +             |          |      | -        | 101        | _               | +  | $\dashv$  | +        | -+              | +                    | +        | ┪        |
| <u> </u>   | Q        |  |               | $\dashv$ |  | -                  |      |              |          |  | ++            |          | ++       |               | Н        | •    |          | 102        |                 | +  | $\dashv$  | +        |                 |                      |          | $\dashv$ |
| -          | 2        | 1  |               |          | ++   | $\dashv$           |      |              | 52       | -  | 1-1           |          | ╂╌┤      |               | $\vdash$ |      |          | 102        | $\dashv$        |  |           | +        | $\dashv$        | +                    | +        | $\dashv$ |
|            | 3        | V,   |               | +        |  | $ \vdash$ $\vdash$ |      |              | 53       |  | +             | -        |          | -1-           | $\vdash$ |      |          |            |                 |  |           | -+       |                 | +                    | +        | $\dashv$ |
|            | (4)      | V  |               |          | $\sqcup \sqcup$                                  |                    |      |              | 54       |  |               |          | +        |               | Н        |      |          | 104        | _               |  |           |          |                 |                      |          | $\dashv$ |
|            | 5        | 1  |               |          | -  | $\dashv$           |      |              | 55       |  | $\perp \perp$ |          | -        | _             | Ш        |      |          | 105        |                 | +  | _         |          | -               | +                    | +        | 4        |
|            | _6_      | V  |               |          |  | $\perp \perp$      |      |              | 56       |  | $\perp$       |          | $\perp$  |               | Ш        |      |          | 106        |                 | <b>_</b>   |           | _        |                 | _                    | _        | 4        |
|            | 7        |  |               |          |  |                    |      |              | 57       |  | -             |          | 4-4      | _             | $\sqcup$ |      |          | 107        |                 | $\perp$  |           | _        | _               | $\dashv$             | -        | _        |
|            | 8        |  |               |          |  |                    |      |              | 58       |  |               |          |          | _             | Ш        |      | ,        | 108        |                 | $\perp$  | $\Box$    | _        | _               |                      |          | _        |
|            | 9        |  |               |          |  |                    |      |              | 59       |  |               |          |          |               | L        |      |          | 109        |                 |  |           |          |                 | $\perp$              | 丄        |          |
|            | 10       |  | TT            |          |  |                    |      |              | 60       |  |               |          |          |               |          |      |          | 110        |                 |  |           |          |                 |                      | $\perp$  | ╝        |
|            | 11       |  | $\top$        |          |  |                    |      |              | 61       |  |               |          |          |               |          |      |          | 111        |                 |  |           |          |                 |                      |          | ٦        |
|            | 12       |  | $\top \top$   |          |  |                    |      |              | 62       |  | T             |          | 1        | $\neg$        |          |      |          | 112        |                 |  |           | $\Box$   |                 |                      |          |          |
|            | 13       |  | +             |          |  | $\neg$             |      |              | 63       |  | 17            |          | 1        |               | $\Box$   |      |          | 113        |                 | Т  |           |          |                 | $\top$               | T        | ٦        |
|            | 14       | - -  | ++            | $\top$   | - -  | $\dashv$           |      |              | 64       |  | $\top$        | _ _      | 1        | $\neg \vdash$ |          |      |          | 114        | $\neg \vdash$   | T  |           | $\neg$   | 寸               | $\neg \vdash$        | 7        | ٦        |
|            | 15       |  | +             | _        | $\vdash$   | $\dashv\dashv$     |      |              | 65       | $\vdash$   | 17            | $\dashv$ | 1-1      | $\top$        | $\Box$   |      |          | 115        |                 | $\top$   | $\vdash$  | $\dashv$ | _               | $\top$               | $\top$   | ヿ        |
| -          | 16       | +-   | +             | -        | $\vdash$   | $\dashv$           |      |              | 66       |  | +             | -        | +        | $\dashv$      | $\vdash$ | ::i  |          | 116        |                 | -  |           | $\dashv$ | $\neg$          | -                    | _        | ٦        |
| -          | 17       | $\vdash$   | ++            | _        | <del>                                     </del> |                    |      |              | 67       |  | +             |          | ╁┯╁      | _             | $\vdash$ |      |          | 117        |                 | +  |           |          |                 | -                    | +        | ㅓ        |
|            |          | $\vdash$   | $\dashv$      |          |  | $\dashv$           |      |              |          | $\vdash$   | ┵┦            |          | +        |               | $\vdash$ |      |          | 118        | -               | +  |           | $\dashv$ | $\dashv$        | +                    | +        | ᅥ        |
|            | 18       |  |               | _        | <del></del>                                      | $\dashv$           |      |              | 68       |  | +             |          | +        |               | ╁─┤      |      |          | 119        | _               |  |           | $\dashv$ | $\dashv$        | +                    | +        | $\dashv$ |
|            | 19       | <u> </u>   |               |          |  | $\dashv \dashv$    |      |              | 69       | $\vdash$   | -             |          | 41       |               | $\vdash$ |      |          | 119        |                 | +-   | $\vdash$  |          | -+              | +                    |          | -        |
|            | 20       |  | 1             |          |  | $\dashv\dashv$     |      |              | 70       |  | $\perp$       |          | 4-1      |               | Ш        |      |          | 120        |                 |  | $\square$ |          |                 |                      | +        | _        |
|            | 21       |  | 1             | `        |  |                    |      |              | 71       |  | 1             |          |          |               | Ш        |      |          | 121        |                 | 1  |           |          | _               | _                    | +        | _        |
|            | 22       |  |               |          |  |                    |      |              | 72       | Ш_   |               | _ _      |          |               | Ш        |      |          | 122        |                 | 1  |           |          | _               | _                    | _ _      | _        |
|            | 23       |  |               |          | ] []   |                    | 1111 |              | 73       |  |               |          | $\perp$  |               | Ш        |      |          | 123        |                 |  |           |          |                 | _ _                  |          | ╝        |
|            | 24       |  |               | $\top$   |  |                    |      |              | 74       |  |               |          |          |               | LJ       |      |          | 124        |                 |  |           |          |                 | $\perp$              | ┸        | ╝        |
|            | 25       |  |               |          |  |                    |      |              | 75       |  |               |          |          |               |          |      |          | 125        | -               | İ  |           |          |                 | L                    |          | ╝        |
|            | 26       |  | 111           |          |  |                    |      |              | 76       |  | T             |          |          |               | П        |      |          | 126        |                 |  |           |          |                 |                      |          |          |
|            | 27       | $\vdash$   |               |          |  |                    |      |              | 77       |  | 1 1           |          | 1        |               |          |      |          | 127        |                 |  |           |          |                 |                      | $\neg$   | ٦        |
|            | 28       | $\vdash$   |               |          |  | $\dashv$           |      |              | 78       |  | 11            | $\dashv$ | 1        |               | П        |      |          | 128        |                 |  | П         |          |                 |                      | $\top$   | ٦        |
|            | 29       |  | +             |          | $\vdash$   | -                  |      | _            | 79       |  | 1             | $\dashv$ |          |               | $\vdash$ |      |          | 129        |                 | $\top$   |           |          |                 | $\neg$               | $\neg$   | ヿ        |
|            | 30       | ╆╌   | +             |          |  |                    |      | _            | 80       | <del>                                     </del> |               | _        | 1        | +             | $\vdash$ |      |          | 130        | -               | +  | Н         | $\neg$   | -               | -                    | +        | Ⅎ        |
|            |          | <del>  -</del> -                                 | +             |          | <del>                                     </del> |                    |      | <u> </u>     | 81       |  | +             |          | 1-1      | _             | $\vdash$ |      |          | 131        |                 | +  |           | $\dashv$ | _               | -                    | +        | Н        |
|            | 31       | -  |               | -        | <del>  -   -  </del>                             |                    |      | ļ            | 82       | $\vdash$   |               | -        | +-       |               | $\vdash$ |      |          | 132        | $\vdash$        | ╁  |           | -        | -               | +                    | - -      | ᅥ        |
|            | 32       | $\vdash$   | +             |          | <del>                                     </del> |                    | H    |              |          | $\vdash$   | +             |          | +        | -             | ╁        | 1.5  |          | 132        |                 | +  | $\vdash$  | -        |                 |                      | +        | $\dashv$ |
| -          | 33       |  |               | +        | <del>       </del>                               | +                  |      | <u> </u>     | 83       | <del>   -</del>                                  |               | +        | +        | -             | $\vdash$ |      |          | 133<br>134 | $\vdash$        | +  | -         | $\dashv$ | $\dashv$        | $\dashv$             | +        | $\dashv$ |
|            | 34       | $\vdash$   | ++            |          |  | —                  |      |              | 84       | $\vdash$   | +             | _ -      |          | _             | $\vdash$ |      |          | 134        |                 | +-   | Н         | $\dashv$ |                 | $\dashv$             | +        | 4        |
| ļ          | 35       |  | +             | $\perp$  | $\sqcup \sqcup \sqcup$                           |                    |      |              | 85       | -  | -             |          | $\dashv$ | _ _           | $\vdash$ |      |          | 135        | $\vdash \vdash$ | +  |           | $\dashv$ | $\dashv$        | +                    | +        | _        |
|            | 36       | $\sqcup \!\!\! \perp$                            | 44            |          | $\sqcup \sqcup \sqcup$                           |                    |      |              | 86       | $\perp \perp$                                    |               | $\perp$  | $\perp$  |               | Ш        |      |          | 136        |                 | +  | Ш         | _        | _               | $\dashv$             | +        | ᅴ        |
|            | 37       |  | $\perp \perp$ |          |  |                    |      |              | 87       | $\sqcup$   | $\bot$        |          | 4        |               | Ш        |      |          | 137        |                 | -  |           | $\sqcup$ | _               |                      | $\bot$   | ᆜ        |
|            | 38       | Ш  |               |          |  |                    |      |              | 88       |  |               | $\perp$  |          | _             |          |      |          | 138        |                 |  | L.        |          | $\perp$         |                      | $\perp$  | $\dashv$ |
|            | 39       | $\prod$  |               |          |  |                    |      |              | 89       | Ш.   |               |          |          |               |          |      |          | 139        |                 |  |           |          |                 | $\perp \!\!\! \perp$ | $\perp$  | _        |
|            | 40       |  |               |          |  |                    | Hill |              | 90       |  |               | $\Box$   |          |               |          |      |          | 140        |                 |  |           |          |                 | ot                   | $\perp$  |          |
|            | 41       |  |               |          |  |                    |      |              | 91       |  |               |          |          |               |          |      |          | 141        |                 |  |           |          |                 |                      | $\Box T$ |          |
|            | 42       |  | 11            |          |  |                    |      |              | 92       |  |               |          |          |               | $\Box$   |      |          | 142        |                 | T  |           | П        |                 |                      | $\top$   |          |
|            | 43       |  | ++            | _        |  | _                  |      |              | 93       |  |               | $\neg$   | $\top$   | $\neg$        | П        |      |          | 143        |                 |  | П         |          | 一               | T                    | $\top$   | П        |
| <b></b>    | 44       | +  | +             | $\dashv$ | <del>                                     </del> |                    |      | $\vdash$     | 94       |  | 1-1           | $\neg$   | 11       | $\dashv$      | $\sqcap$ |      |          | 144        |                 | <del>                                     </del> | П         | $\neg$   | $\neg \uparrow$ |                      | 十        | ٦        |
| -          | 45       | $\vdash \vdash$                                  | +-+           | $\dashv$ |  |                    |      | $\vdash$     | 95       | $\vdash$   | 1-1           | -        | 1        | $\dashv$      | $\vdash$ |      |          | 145        | $\vdash$        | $\top$   | П         | $\dashv$ |                 | $\top$               | +        | $\dashv$ |
| -          | 46       | <del>                                     </del> | ++            |          | $\vdash$   | $\dashv$           |      | <del> </del> | 96       |  | +-+           | +        | +-1      | +             | +        |      |          | 146        | $\vdash$        | +  | Н         | $\dashv$ | -               | +                    | +        | ۲        |
| -          |          | <del>                                     </del> | +             |          | <del>  - </del>                                  | $\dashv$           |      |              | 97       | <del>                                     </del> | ┽┤            | -+       | +        | +             | $\vdash$ |      |          | 147        | $\vdash\vdash$  | +  | Н         | $\dashv$ | -+              | +                    | +        | ۲        |
|            | 47       | $\vdash$   | -             | +        |  | -                  |      | ├─           |          | $\vdash$   | +             |          | +        | +             | $\vdash$ |      |          | 148        | $\vdash$        | +-   | $\vdash$  | $\dashv$ | $\dashv$        | $\dashv$             | +        | $\dashv$ |
| -          | 48       |  | -  -          | +        | $\vdash \vdash \vdash \vdash$                    | -                  |      |              | 98       | $\vdash$   | +             | +        | +        | +             | $\vdash$ |      |          | 148        | $\vdash$        | $+\!-$   | $\vdash$  |          |                 | +                    |          | $\dashv$ |
| ļ          | 49       | <b>   </b> -                                     | 44            |          | -  | $\dashv$           |      | <u> </u>     | 99       |  |               | $\dashv$ | $\dashv$ |               | $\vdash$ |      |          |            |                 |  | $\vdash$  | $\dashv$ | ᆜ               | $\dashv$             | 4        | -        |
| L          | 50       |  |               |          |  |                    |      | L            | 100      | oxdot  |               |          |          |               | لسل      | Peri |          | 150        |                 |  |           |          |                 | 丄                    |          | J        |